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PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Inventor: Hwang, et al.

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Examiner: Pankaj Kumar

For: METHODS, SYSTEMS AND COMPUTER PROGRAM PRODUCTS FOR  
CARRIER DROP DETECTION USING A VARIABLE THRESHOLD

Date: October 25, 2002

Box Non-Fee Amendment  
Commissioner for Patents  
Washington, DC 20231

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**OCT 31 2002**

**Technology Center 2600**

**AMENDMENT**

Sir:

Applicants provide the present Amendment to address the issues raised in the Official Action mailed June 27, 2002. A request for a one-month extension of time to respond is provided herewith. A version of the claims showing the changes made is attached hereto and entitled "VERSION WITH MARKINGS SHOWING CHANGES."

**In the Claims:**

Please amend Claim 2 to recite as follows:

2. (Amended) A method according to Claim 1 wherein the modem uses a V.8 standard during startup and the step of updating comprises the step of updating the carrier drop detection threshold responsive to a selected data pattern in the signal data corresponding to at least one of a call menu (CM) signal and a joint menu (JM) signal.

Please amend Claim 3 to recite as follows:

3. (Amended) A method according to Claim 1 wherein the updating step further comprises the steps of:

setting a flag to indicate receipt of at least one of a valid call menu (CM) signal and a valid joint menu (JM) signal;

latching an output of a signal strength detector responsive to setting of the flag, the signal strength detector being coupled to the received signal and the output of the signal strength detector corresponding to a signal strength level of the received signal; and

setting the carrier drop detection threshold to a value a predetermined amount below the latched output of the signal strength detector responsive to setting of the flag.